



ecology and environment, inc.

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International Specialists in the Environment

MEMORANDUM

to:	Maline Creek
re:	MOD980631162
date:	1.5
time:	3-14-94

TO: Roy Crossland, EPA/DPO

FROM: Joseph M. Parish, E & E/TATM *JMP*

THRU: Joe Chandler, E & E/TATL *JCC*

DATE: March 14, 1994

SUBJECT: Site Assessment: Maline Creek Site, Bellefontaine Neighbors, St. Louis County, Missouri

TDD: T07-9402-015

PAN: EM00307SCA

EPA/OSC: Don Hamera

DTKF

30290313



Superfund

INTRODUCTION

DUPD

The Ecology and Environment, Inc., Technical Assistance Team (TAT) was tasked by the U.S. Environmental Protection Agency (EPA) Emergency Planning and Response (EP&R) Branch to investigate and document the progressive exposure through erosion of asbestos-laden transite pipe buried along the banks of Maline Creek, located in Bellefontaine Neighbors, north St. Louis County, Missouri. Specific elements of the task included providing photographic documentation of continuing erosion of the cut bank and subsequent exposure of transite pipe brought on by flooding during the summer of 1993. TAT was to provide both a set of prints and slides to the site OSC.

SITE HISTORY

Maline Creek is located adjacent to the former Certain-Teed property at 600 St. Cyr Rd. and the former GAF property at 9215 Riverview Blvd, Bellefontaine Neighbors, St. Louis County, Missouri. Branch Metal processing and Gateway Container presently occupy the address at St. Cyr Road, and the address at Riverview Blvd. is currently occupied by several businesses, including Riverview Industrial Services. The area around the properties is industrial/residential and is in the incorporated limits of Bellefontaine Neighbors and Riverview.

Certain-Teed and GAF Corporation manufactured asbestos-containing transite pipe and sheeting and used the field between the properties as an open dump for scrap materials containing asbestos. Both facilities ceased operation in 1979. At that time both companies began remediation of the site to comply with the Missouri Solid Waste Management Law. Remediation included an on-site landfill and stabilization of the creek bank and waste pile. A site inspection in May of 1980 confirmed that

the companies were in basic compliance, but revealed that broken transite pipe remained along the creek banks southeast of 600 St. Cyr Road.

Since that time, a number of inspections and investigations including site visits by the Missouri Department of Natural Resources (MDNR) and the EPA, have revealed progressive erosion and exposure of asbestos-containing materials along Maline Creek bank. A more detailed site history is given in reports from TAT site assessments under TDDs T07-9209-003 and T07-9203-012.

ON-SITE ACTIVITIES

The latest investigation is in response to potential erosional and subsequent exposure problems brought on by the flooding of Maline Creek during the summer of 1993. The area under investigation is located just south of a bridge spanning a tributary of Maline Creek along the vicinity of 600 St. Cyr Rd., Bellefontaine Neighbors, Missouri, as shown in the attached site map.

The TAT arrived at the site on February 11, 1994, at approximately 1100 hrs. TAT reached the creek bed by climbing down the embankment near the aforementioned bridge. TAT proceeded to photograph the area, paying particular attention to the cut bank on the east side of the creek where the transite pipe was exposed. TAT walked down the creek from the bridge for approximately 200 yards. After photo documenting the site as requested by the OSC, TAT left the site at approximately 1200 hours.

TAT made the following observations during the brief site visit:

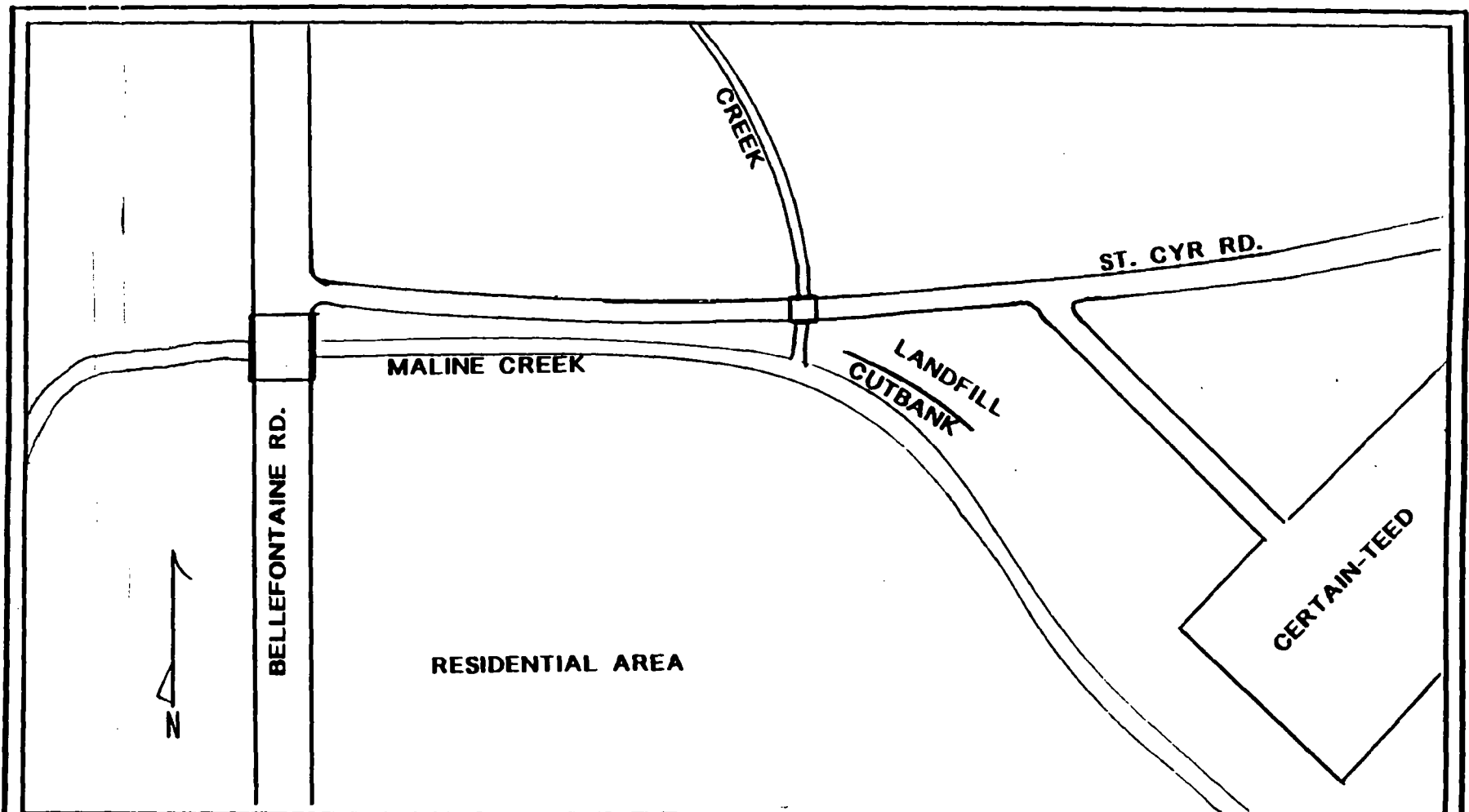
- o There had been a recent slumping of the creek bank, resulting in exposure of more transite pipe.
- o The creek bed was littered with more transite pipe than in previous investigations.
- o A portion of a fiber drum was exposed along the creek bank, suggesting that materials other than transite pipe may have been buried (refer to the photolog).

SUMMARY

TAT was tasked by the EPA/EP&R to investigate and document the progressive exposure and erosion of asbestos-filled transite pipe along the banks of Maline Creek located in Bellefontaine Neighbors, North St. Louis County, Missouri. Specific elements of the task included providing photographic documentation of continuing erosion of the cut bank and subsequent exposure of transite pipe resulting from flooding during the summer of 1993. TAT visited the site on February 11, 1994. The site was photo documented as requested by the OSC. TAT noted that erosion of the cut bank and exposure of transite pipe fragments had progressed since its last site visit in 1992. A photographic record and slides were forwarded to the OSC, as requested.

ATTACHMENTS

References
Site Locator Map
Site Map

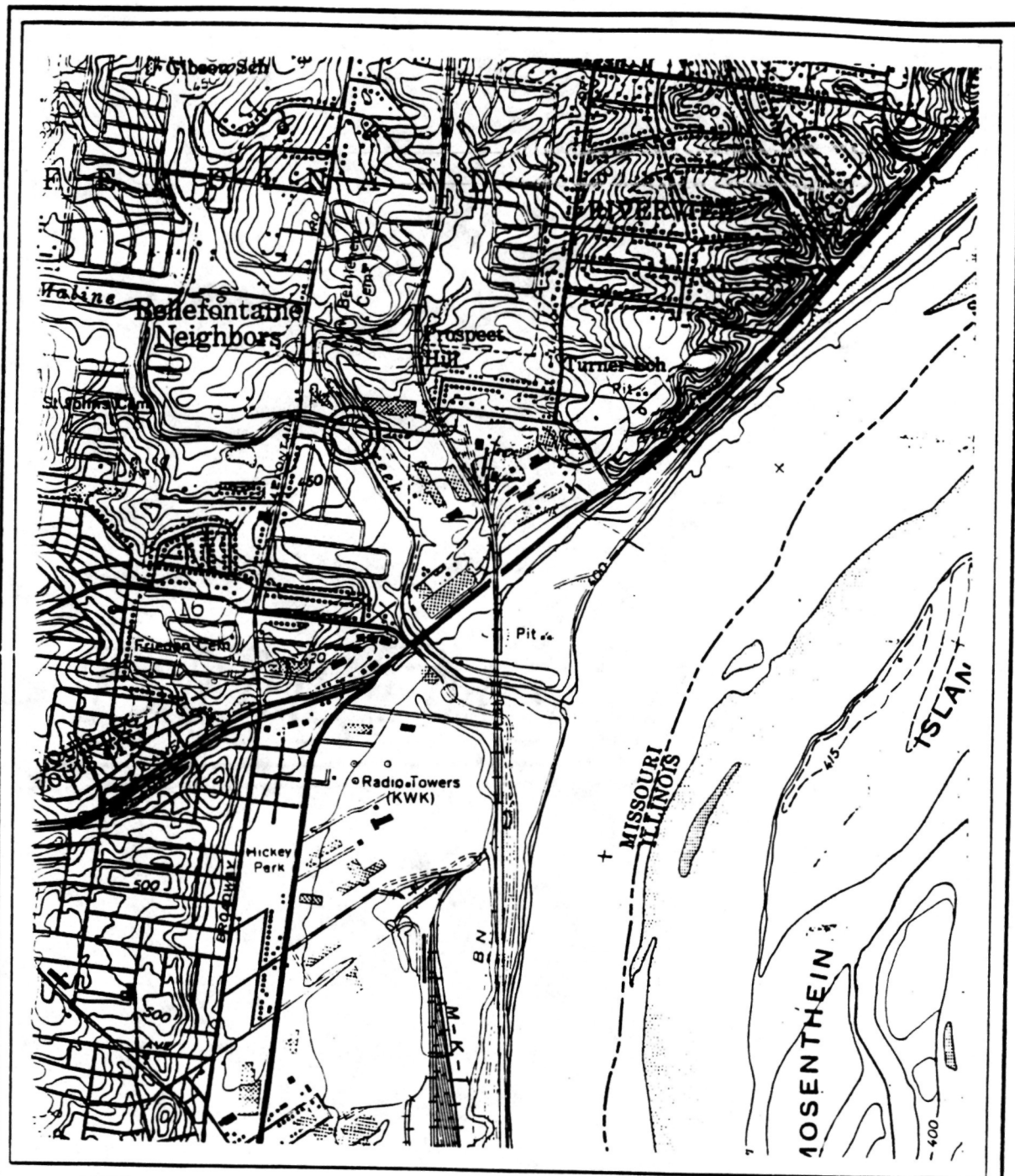


MALINE CREEK SITE MAP

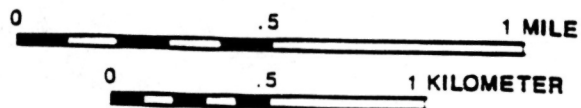
SCALE: 1 inch = 200 feet

TDD#T07-9402-015

PAN#EMO0307SCA



SCALE 1:24000



LOCATOR MAP

TDD#T07-9402-015

MALINE CREEK SITE

PAN#EMO0307SCA

CLIENT: EPA

SITE NAME: Maline Creek

LOCATION: St. Louis, Missouri

E & E JOB No.: ZT2071

TDD No.: T07-9402-015

PAN No.: EM00307SCA

CAMERA MAKE: FUJI 1000 ZOOM, s/n 60411266

LENS: 35-80mm zoom



No: 1 Photographer: J. Parish Date/Time: 2/11/94/1115 Direction: SE
Comments: Down Maline Creek from St. Cyr St. bridge



No: 2 Photographer: J. Parish Date/Time: 2/11/94/1116 Direction: E
Comments: East bank, 200 feet down from St. Cyr St. bridge

Ecology and Environment, Inc.

Photographic Record

CLIENT: EPA
E & E JOB No.: ZT2071
CAMERA MAKE: FUJI 1000 ZOOM, s/n 60411266

SITE NAME: Maline Creek
TDD No.: T07-9402-015

LOCATION: St. Louis, Missouri
PAN No.: EM00307SCA
LENS: 35-80mm zoom



No: 3 Photographer: J. Parish Date/Time: 2/11/94/1120 Direction: E
Comments: Close view of east bank.



No: 4 Photographer: J. Parish Date/Time: 2/11/94/1121 Direction: E
Comments: East bank cave-in

CLIENT: EPA
E & E JOB No.: ZT2071
CAMERA MAKE: FUJI 1000 ZOOM, s/n 60411266

SITE NAME: Maline Creek
TDD No.: T07-9402-015

LOCATION: St. Louis, Missouri
PAN No.: EM00307SCA
LENS: 35-80mm zoom



No: 5 Photographer: J. Parish Date/Time: 2/11/94/1121 Direction: E
Comments: East bank cave-in



No: 6 Photographer: J. Parish Date/Time: 2/11/94/1124 Direction: E
Comments: East bank, 100 yds from St. Cyr St. bridge

CLIENT: EPA
E & E JOB No.: ZT2071
CAMERA MAKE: FUJI 1000 ZOOM, s/n 60411266

SITE NAME: Maline Creek
TDD No.: T07-9402-015

LOCATION: St. Louis, Missouri
PAN No.: EM00307SCA
LENS: 35-80mm zoom



No: 7 Photographer: J. Parish Date/Time: 2/11/94/1125 Direction: E
Comments: East cut bank



No: 8 Photographer: J. Parish Date/Time: 2/11/94/1125 Direction: E
Comments: East cut bank, close view

CLIENT: EPA

SITE NAME: Maline Creek

LOCATION: St. Louis, Missouri

E & E JOB No.: ZT2071

TDD No.: T07-9402-015

PAN No.: EM00307SCA

CAMERA MAKE: FUJI 1000 ZOOM, s/n 60411266

LENS: 35-80mm zoom



No: 9 Photographer: J. Parish Date/Time: 2/11/94/1127 Direction: E
Comments: East bank cave-in



No: 10 Photographer: J. Parish Date/Time: 2/11/94/1128 Direction: W
Comments: Cave-in material near creek

CLIENT: EPA

SITE NAME: Maline Creek

LOCATION: St. Louis, Missouri

E & E JOB No.: ZT2071

TDD No.: T07-9402-015

PAN No.: EM00307SCA

CAMERA MAKE: FUJI 1000 ZOOM, s/n 60411266

LENS: 35-80mm zoom



No: 11 Photographer: J. Parish Date/Time: 2/11/94/1130 Direction: E
Comments: Cut bank, 100 yds from St. Cyr St. bridge



No: 12 Photographer: J. Parish Date/Time: 2/11/94/1133 Direction: N
Comments: East bank slump, about 350 feet from St. Cyr St. bridge.

Ecology and Environment, Inc.

Photographic Record

CLIENT: EPA

E & E JOB No.: ZT2071

CAMERA MAKE: FUJI 1000 ZOOM, s/n 60411266

SITE NAME: Maline Creek

TDD No.: T07-9402-015

LOCATION: St. Louis, Missouri

PAN No.: EM00307SCA

LENS: 35-80mm zoom



No: 13 Photographer: J. Parish Date/Time: 2/11/94/1134 Direction: W
Comments: West bank across from exposed transite pipe, residence in background.



No: 14 Photographer: J. Parish Date/Time: 2/11/94/1138 Direction: N
Comments: Transite in creek bed down 200 yards from St. Cyr St. bridge.

Ecology and Environment, Inc.

Photographic Record

CLIENT: EPA
E & E JOB No.: ZT2071
CAMERA MAKE: FUJI 1000 ZOOM, s/n 60411266

SITE NAME: Maline Creek
TDD No.: T07-9402-015

LOCATION: St. Louis, Missouri
PAN No.: EM00307SCA
LENS: 35-80mm zoom



No: 15 Photographer: J. Parish Date/Time: 2/11/94/1140 Direction: NE
Comments: East bank, 200 yards from St. Cyr St. bridge.



No: 16 Photographer: J. Parish Date/Time: 2/11/94/1141 Direction: SE
Comments: Downstream, showing transite pipe in channel.

CLIENT: EPA
E & E JOB No.: ZT2071
CAMERA MAKE: FUJI 1000 ZOOM, s/n 60411266

SITE NAME: Maline Creek
TDD No.: T07-9402-015

LOCATION: St. Louis, Missouri
PAN No.: EM00307SCA
LENS: 35-80mm zoom



No: 17 Photographer: J. Parish Date/Time: 2/11/94/1141 Direction: SE
Comments: close view of creek channel showing exposed transite pipe.



No: 18 Photographer: J. Parish Date/Time: 2/11/94/1145 Direction: N
Comments: Close view, upstream, same location.

CLIENT: EPA
E & E JOB No.: ZT2071
CAMERA MAKE: FUJI 1000 ZOOM, s/n 60411266

SITE NAME: Maline Creek
TDD No.: T07-9402-015

LOCATION: St. Louis, Missouri
PAN No.: EM00307SCA
LENS: 35-80mm zoom



No: 19 Photographer: J. Parish Date/Time: 2/11/94/1145 Direction: N
Comments: Upstream, wide angle view, same location.



No: 20 Photographer: J. Parish Date/Time: 2/11/94/1146 Direction: SE
Comments: Downstream wide angle view, same location.

Ecology and Environment, Inc.

Photographic Record

CLIENT: EPA

SITE NAME: Maline Creek

LOCATION: St. Louis, Missouri

E & E JOB No.: ZT2071

TDD No.: T07-9402-015

PAN No.: EM00307SCA

CAMERA MAKE: FUJI 1000 ZOOM, s/n 60411266

LENS: 35-80mm zoom



No: 21 Photographer: J. Parish Date/Time: 2/11/94/1155 Direction: E
Comments: Conduit draining from east bank about 200 feet from St. Cyr St. bridge.



No: 22 Photographer: J. Parish Date/Time: 2/11/94/1203 Direction: SW
Comments: Local residences across from exposed transite pipe

Ecology and Environment, Inc.

Photographic Record

CLIENT: EPA

E & E JOB No.: ZT2071

CAMERA MAKE: FUJI 1000 ZOOM, s/n 60411266

SITE NAME: Maline Creek

TDD No.: T07-9402-015

LOCATION: St. Louis, Missouri

PAN No.: EM00307SCA

LENS: 35-80mm zoom



No: 23 Photographer: J. Parish Date/Time: 2/11/94/1203 Direction: SW
Comments: Local residences across from exposed tarsite pipe.



No: 24 Photographer: J. Parish Date/Time: 2/11/94/1207 Direction: SW
Comments: Residences upstream near Bellefontaine Rd. Bridge and Maline Creek.